

DWI Trends in Bernalillo County

BERNALILLO COUNTY
DWI PLANNING COUNCIL

DECEMBER 2024 MEETING

Prepared by

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Geospatial and Population Studies (UNM-GPS)

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December 12, 2024



Photo by www.fhwa.dot.gov/byways

Agenda

Resources for crash statistics

- How and what crash data are collected
- Where to obtain crash statistics on Bernalillo County

Crash statistics for DWI crashes in Bernalillo County

- Historical and recent trends
- Severity of crashes and injury counts
- Demographics
- Pedestrian fatalities
- Drug-involved fatalities

Bernalillo County DWI Data from NM Taxation and Revenue

- DWI arrests
- DWI conviction rates

Crash Data Collection in New Mexico

NMDOT Crash Database

- Crashes reported by law enforcement involving a motor vehicle
- Involves a fatality, injury or >\$500 in damages
- On public roadways (no private property crashes)
- About 250 data elements collected for each crash: who, what, where, when, why, and how
- Alcohol involvement is not BAC-specific
- Drug involvement is likely under-reported. DWI can be for alcohol OR drugs. It's easier for law enforcement to prove impairment by alcohol.
- Drug/alcohol toxicology data from the NM Office of the Medical Investigator for crash-related fatalities

UNM Center for Geospatial and Population Studies (UNM-GPS)

- Contracted by NMDOT Traffic Records Bureau
- Compile crash reports into a database
- Improve data quality: Geocode, clean, standardize
- Perform crash trend analysis for NMDOT
- Produce reports, including statistics for each community in NM
- Maintain NMDOT's statewide crash database (1978 to present)
- Analyze DWI arrests and convictions

Public Availability of Crash Statistics

<https://gps.unm.edu/tru>

Community Reports, 2023

- [Bernalillo County](#)
- [Albuquerque](#)
- [Tijeras](#)
- [Isleta Pueblo](#)
- On request: South/North Valley, Sandia Park

Statewide Crash Statistics, 2022

- [Traffic Crash Annual Report](#)
- [DWI Annual Report](#) (alcohol only)
- Both contain county crash rates

Recent Crash Fatalities, 2024/2023

- Fatalities in alcohol-involved crashes in Bernalillo County

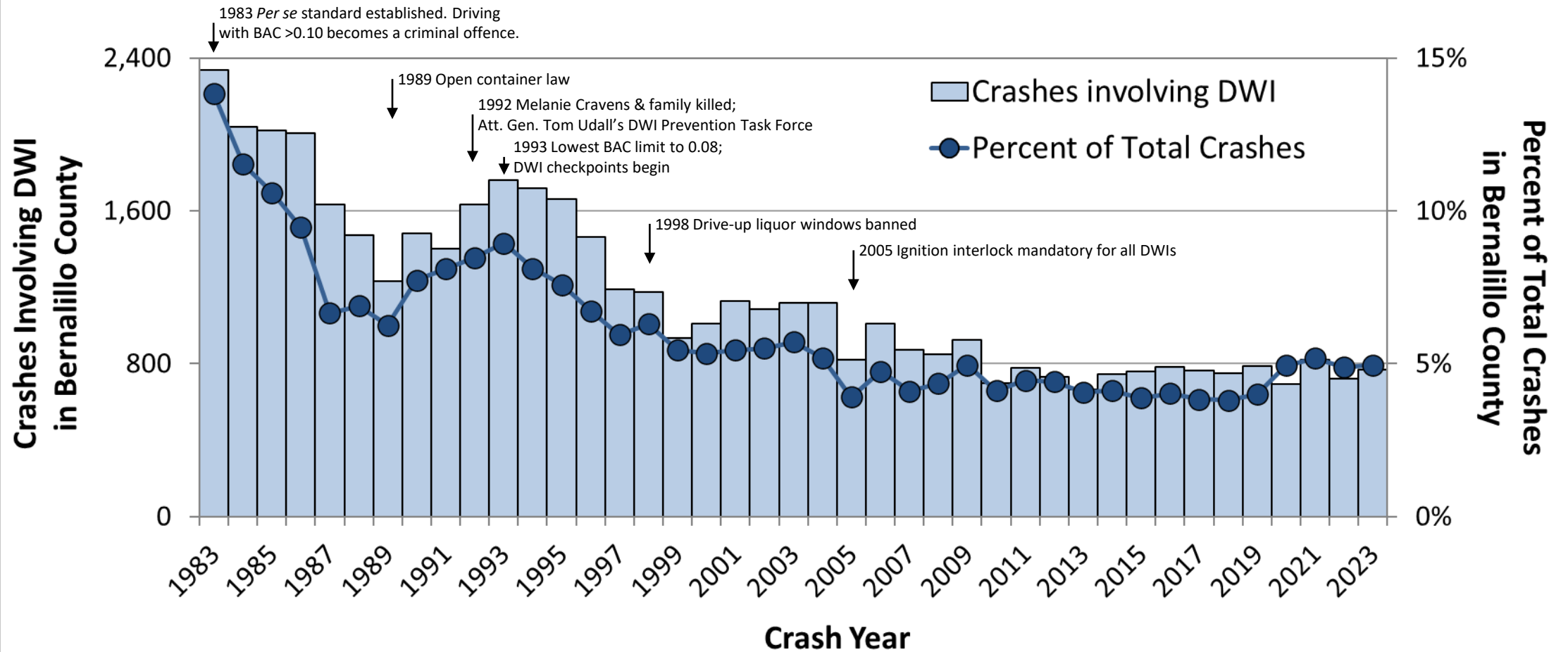
Request Datasets

- End users can request a dataset of all DWI crashes in Bernalillo County and/or a specific intersection
- Driver, vehicle and occupant-level datasets also available for DWI crashes
- [Crash data dictionaries](#)

Maps, 2023

- [Pedestrian/Pedalcycle Crash Dashboards](#)
- [Alcohol-involved Crashes in Albuquerque](#)
- [Total Crashes in Bernalillo County](#)

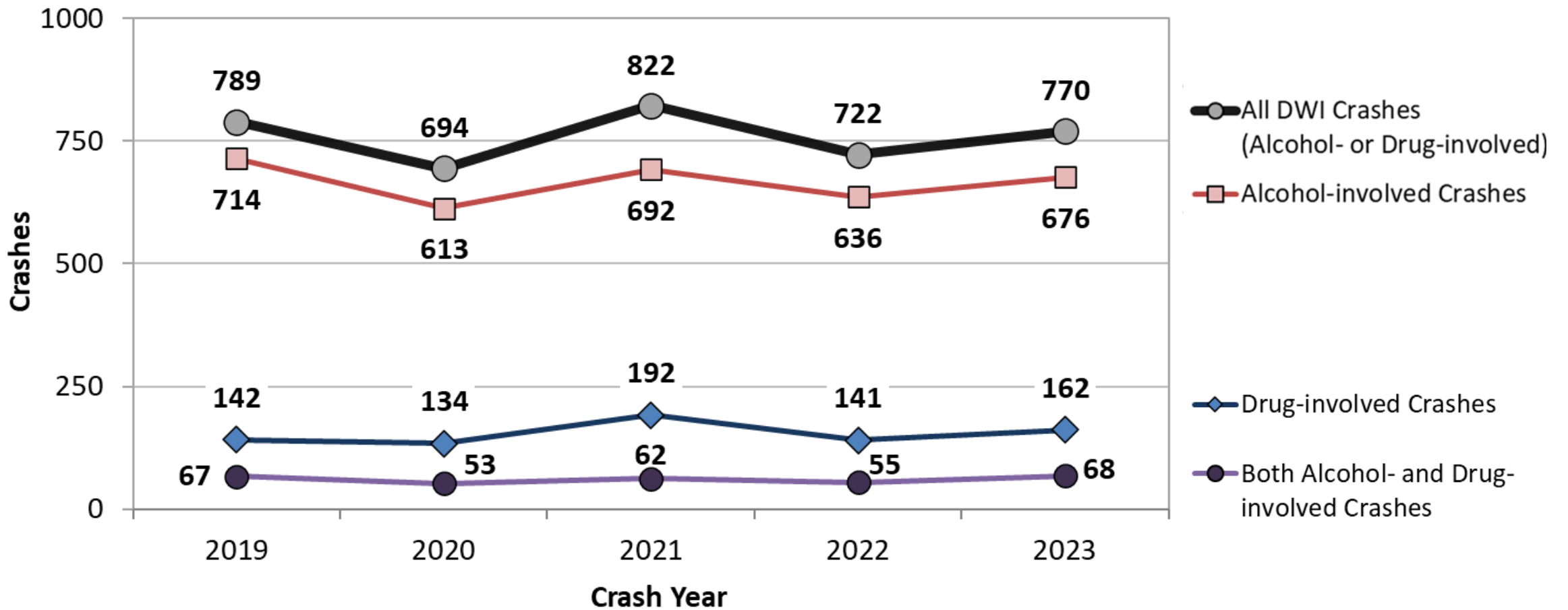
Historical DWI Crash Data for Bernalillo County



Source: NMDOT Crash Database, 1983 - 2023. DWI includes alcohol- and drug-involved crashes. Over 93% are alcohol-only. Drug data collection began in 2005 and is likely underreported.



Crashes involving DWI in Bernalillo County



DWI Crashes in Bernalillo County

Year	Fatal Crashes		Injury Crashes		Property Damage Only Crashes		Total Crashes	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
2019	61	7.7%	329	41.7%	399	50.6%	789	100%
2020	66	9.5%	279	40.2%	349	50.3%	694	100%
2021	87	10.6%	338	41.1%	397	48.3%	822	100%
2022	69	9.6%	272	37.7%	381	52.8%	722	100%
2023	78	10.1%	338	43.9%	354	46.0%	770	100%



Source: NMDOT Crash Database. DWI crashes are alcohol- or drug-involved crashes.

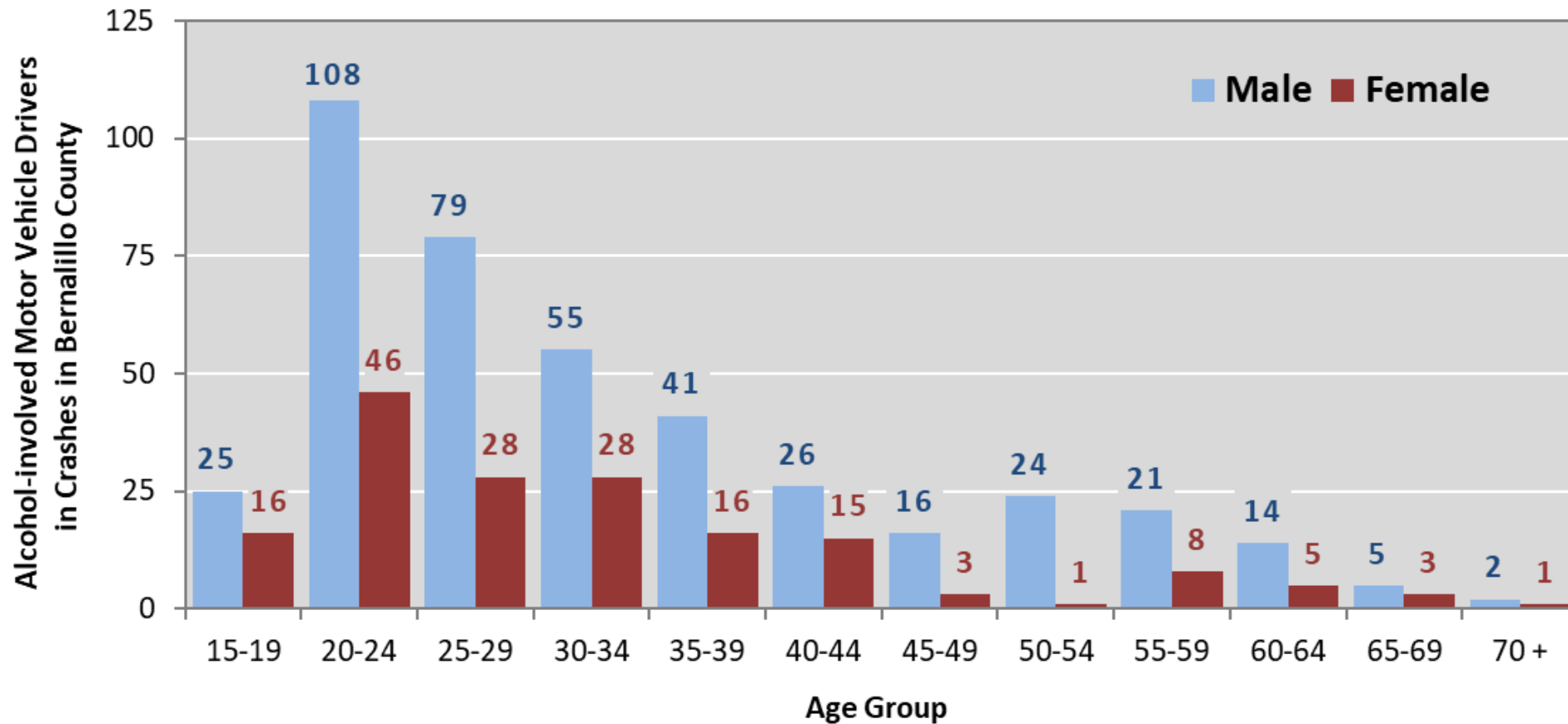
People in DWI Crashes in Bernalillo County

Year	Fatalities (Class K)		Suspected Serious Injuries (Class A)		Suspected Minor Injuries (Class B)		Possible Injuries (Class C)		No Apparent Injuries (Class O)		Total People	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
2019	62	3.3%	56	3.0%	171	9.1%	286	15.2%	1,312	69.5%	1,887	100%
2020	69	4.5%	43	2.8%	162	10.5%	243	15.7%	1,032	66.6%	1,549	100%
2021	93	4.7%	37	1.9%	189	9.6%	337	17.1%	1,319	66.8%	1,975	100%
2022	75	4.4%	33	1.9%	157	9.2%	245	14.3%	1,202	70.2%	1,712	100%
2023	81	4.5%	56	3.1%	217	12.1%	262	14.7%	1,171	65.5%	1,787	100%



Source: NMDOT Crash Database. DWI crashes are alcohol- or drug-involved crashes.

Alcohol-involved Motor Vehicle Drivers in Crashes in Bernalillo County, 2023



Source: NMDOT Crash Database. Available in the 2023 Bernalillo County Community Report.
<https://gps.unm.edu/tru/reports/community-reports>

Underage Drinking and Driving in Bernalillo County

(Bernalillo County Community Report Tables 16 and 17)

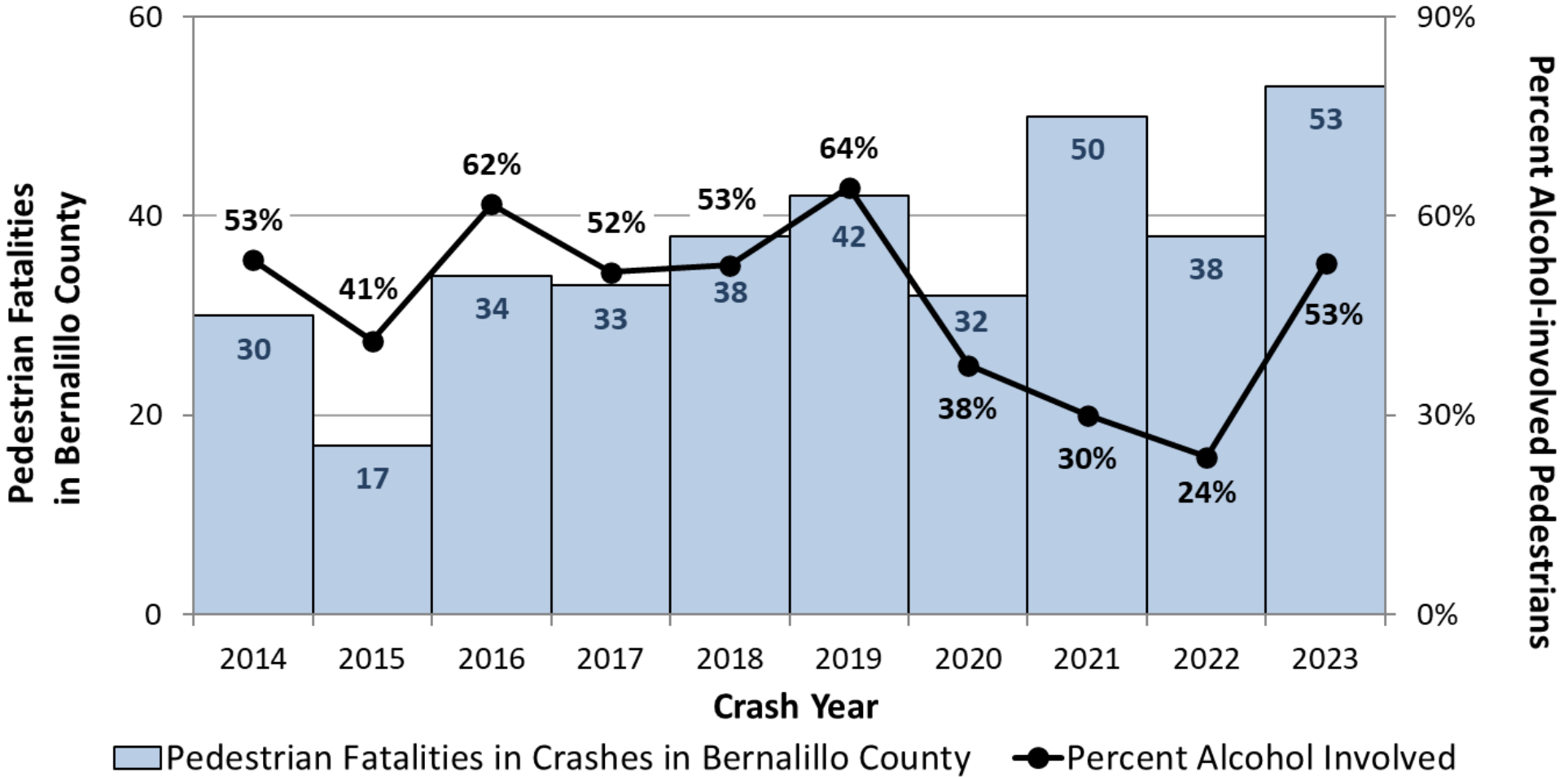
Alcohol-involved Motor Vehicle Drivers Under 21 (Ages 15-20) in Crashes						
Age	Year					5-Year Total
	2019	2020	2021	2022	2023	
15	2	1	0	1	1	5
16	4	5	0	0	4	13
17	9	7	5	4	9	34
18	17	17	13	13	12	72
19	12	7	13	13	15	60
20	16	22	18	20	24	100
Total Drivers	60	59	49	51	65	284

Source: NMDOT Crash Database. Available in the 2023 Bernalillo County Community Report.

<https://gps.unm.edu/tru/reports/community-reports>



Pedestrian Fatalities in Bernalillo County by Alcohol Involvement

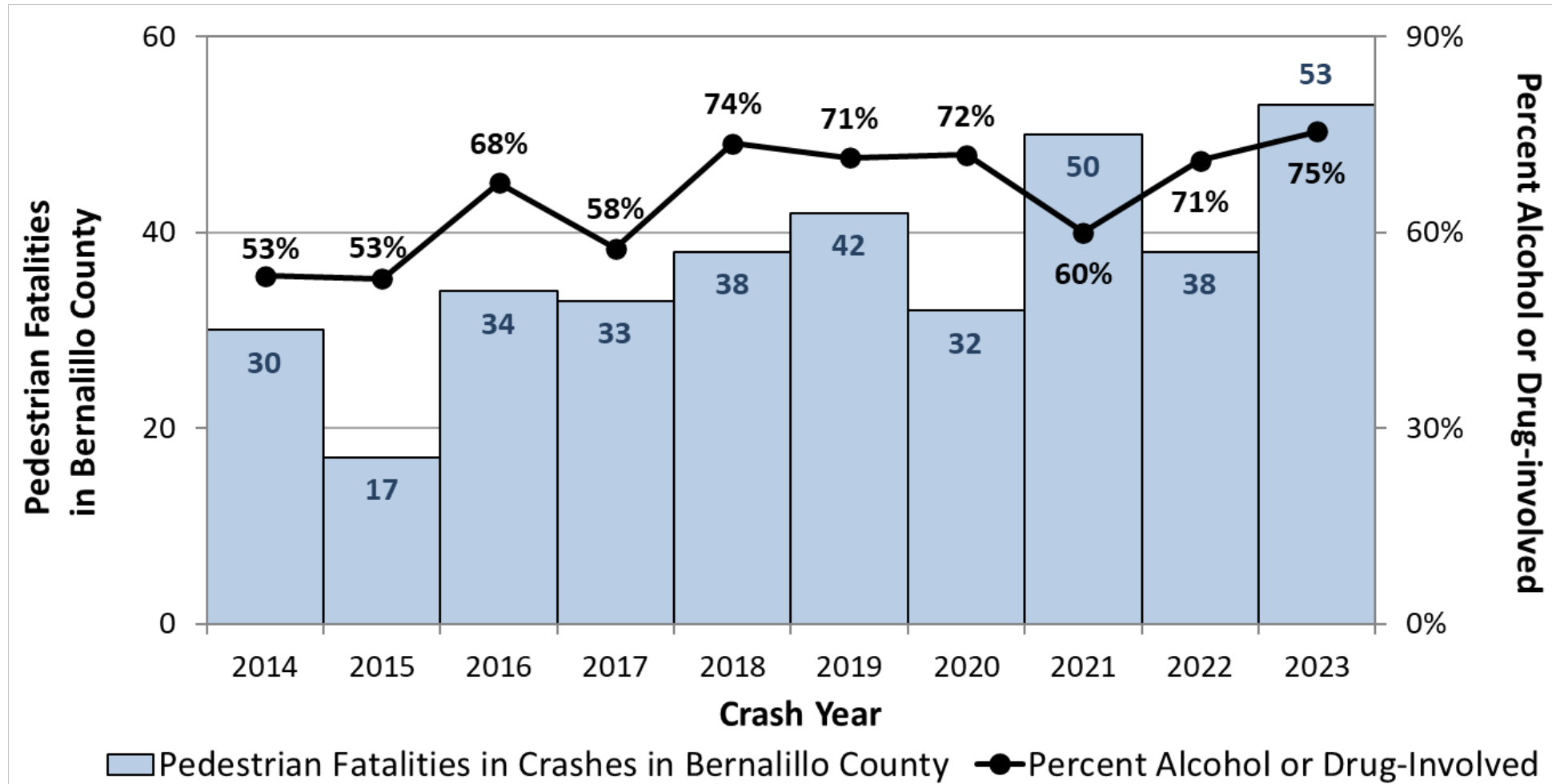


Source: NMDOT Crash Database. Available in the Bernalillo County Community Reports, Table 22.

<https://gps.unm.edu/tru/reports/community-reports>

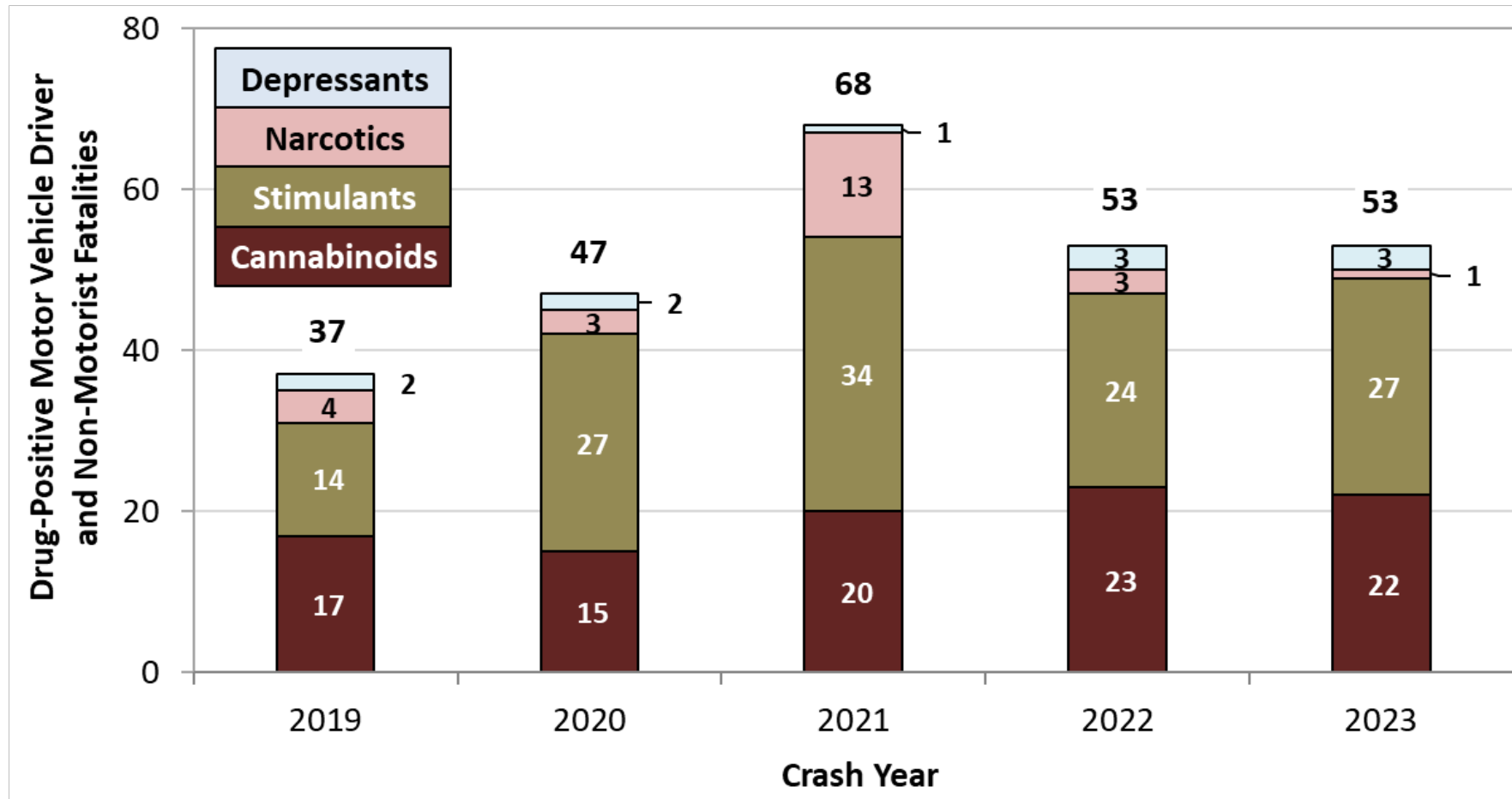


Pedestrian Fatalities in Bernalillo County by Alcohol OR Drug Involvement



Source: NMDOT Crash Database. Toxicology data provided by the NM Office of the Medical Investigator.

Drug Toxicology for Motor Vehicle Driver and Non-Motorist Fatalities in Bernalillo County



Drug-Positive - a motor vehicle driver or non-motorist crash-related fatality who tested drug-positive.
 Source: NMDOT Fatallog. Toxicology data provided by the NM Office of the Medical Investigator.

DWI Arrests and Convictions in Bernalillo County

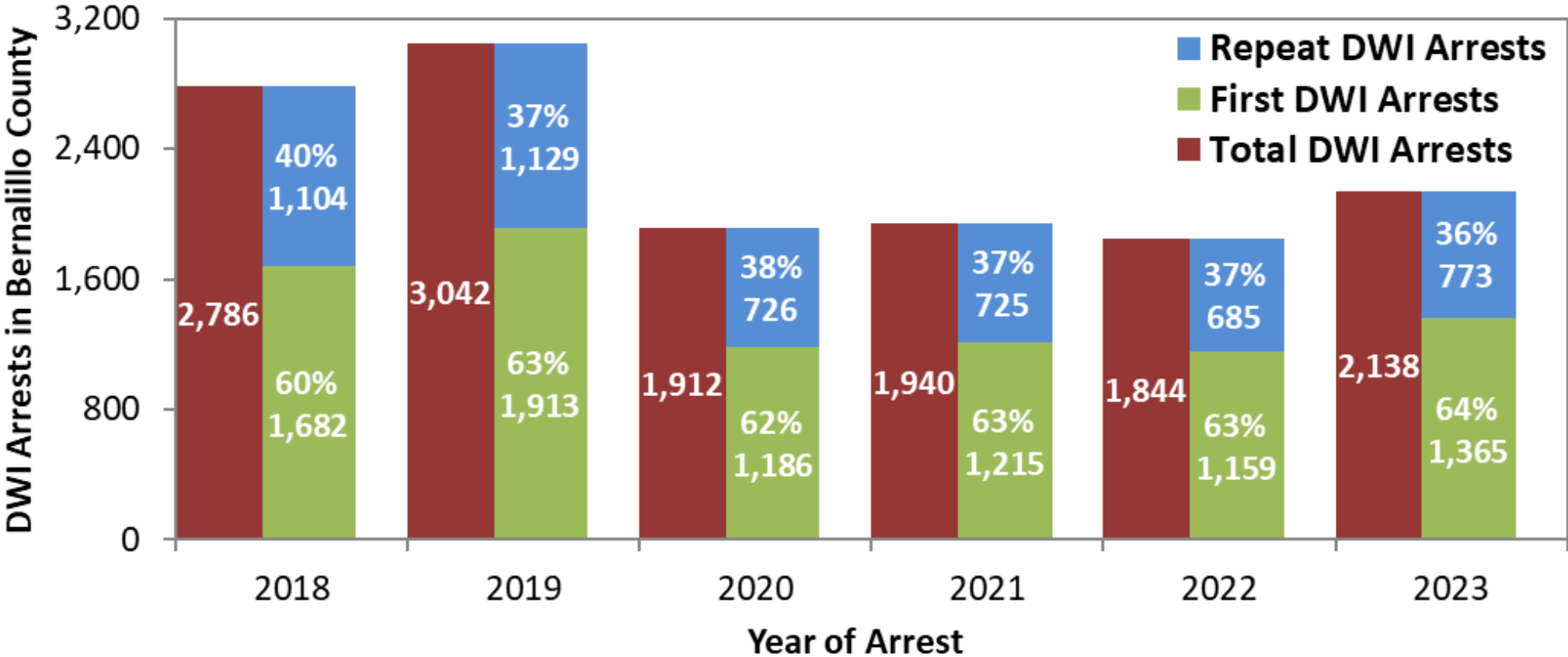
Data Source: NM Taxation and Revenue Department (NMTRD), Motor Vehicle Division (MVD), DWI File, December 2024.

Not a crash-related analysis. UNM-GPS is not involved in compiling the DWI File.

Statistics tabulated by UNM Center for Geospatial and Population Studies (UNM-GPS)

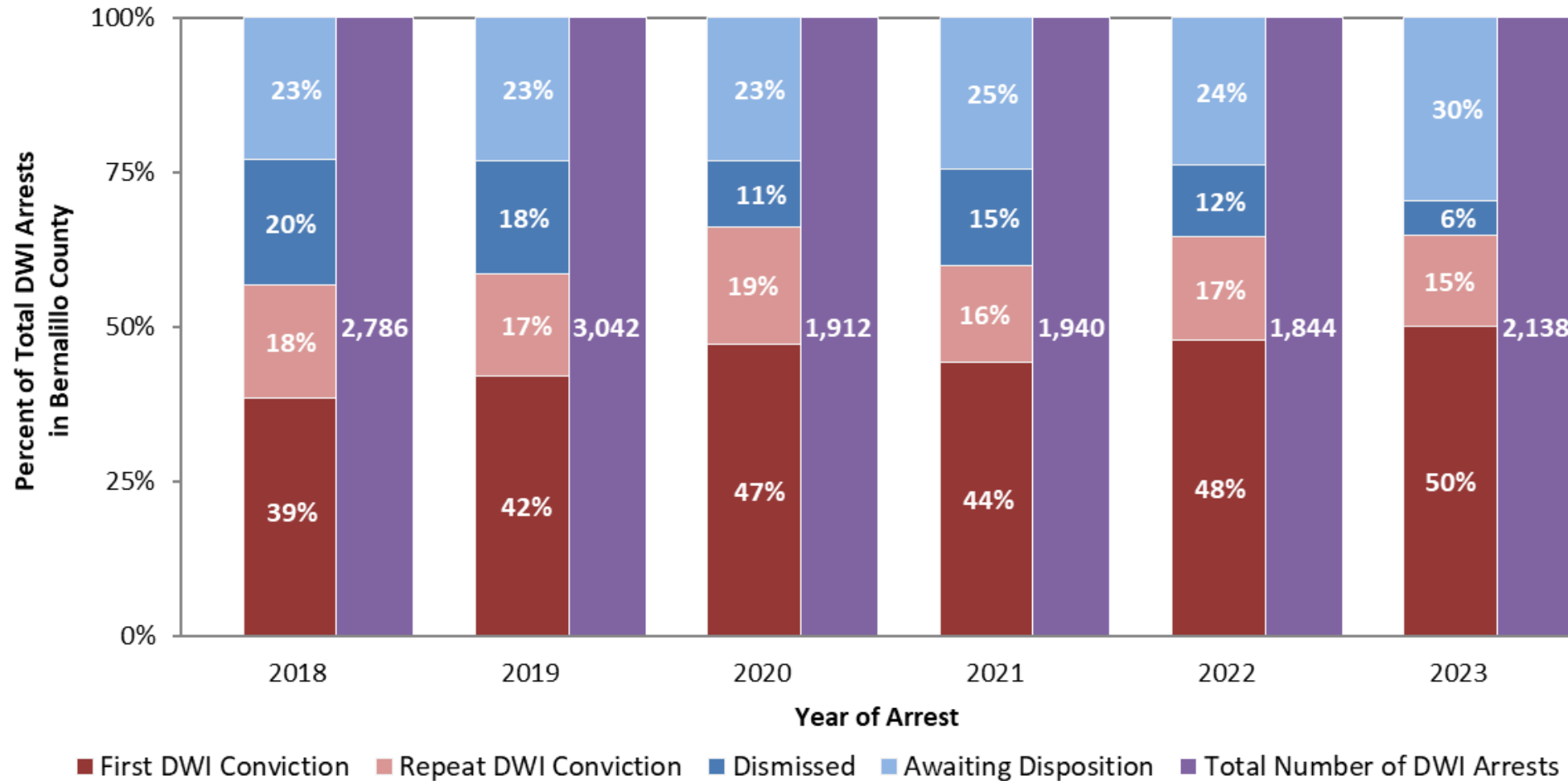
- A reduced aggravated DWI is counted as a guilty ruling.
- A reduced regular DWI is counted as dismissed.
- Counts for recent years (2022 and 2023) will increase
- Dispositions not reported to NMTRD MVD are excluded.
- Arrests missing citation number and date are excluded.
- Analysis is by calendar year, not fiscal year.
- The DWI file can contain multiple records for each arrest. A DWI arrest is any unique occurrence of Account Key, Citation Number, and Citation Date.

DWI Arrests in Bernalillo County



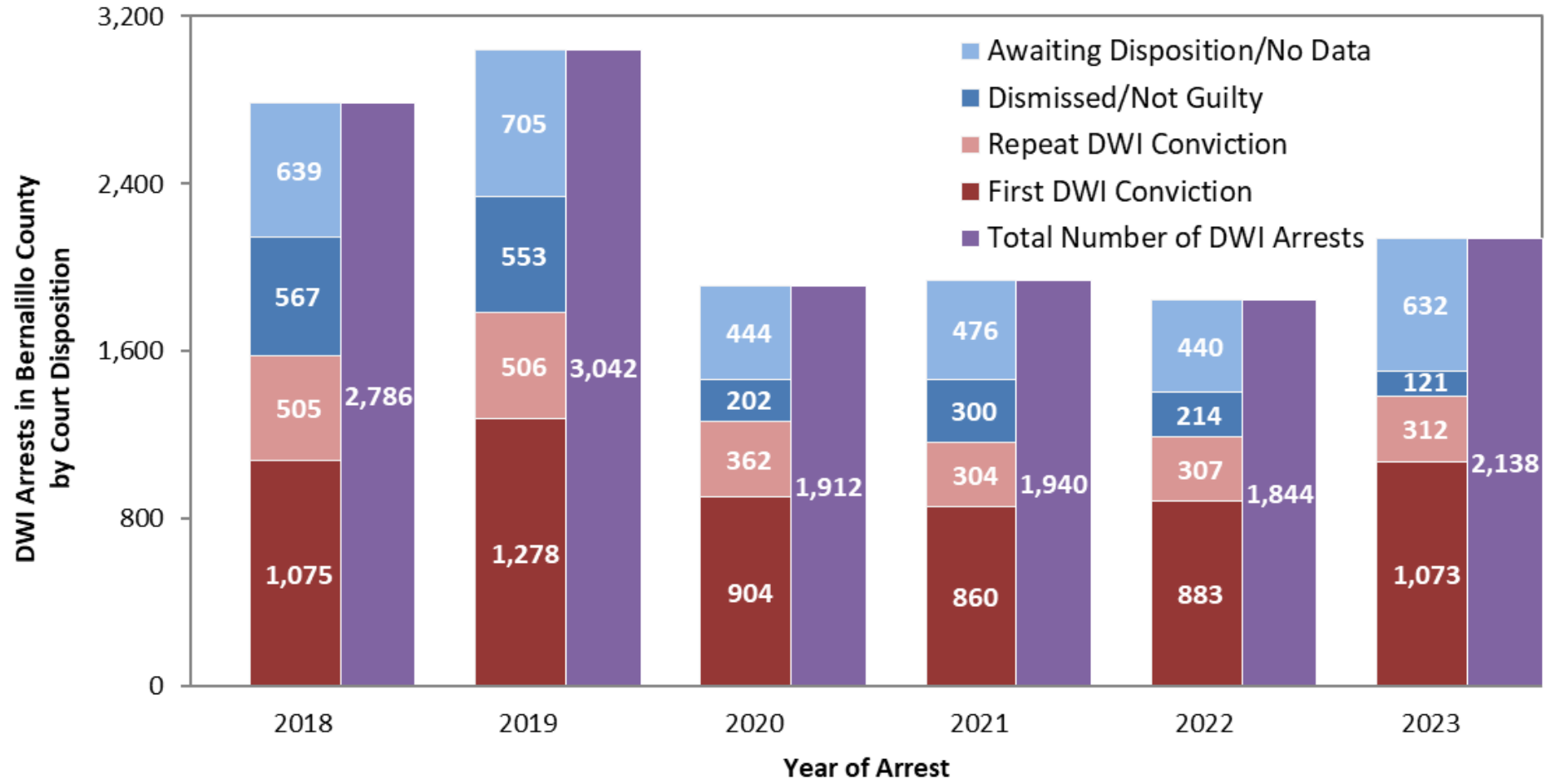
Source: NMTRD MVD, DWI File, December 2024. Data analysis by UNM-GPS.
 Determination of prior arrests include arrests outside Bernalillo County. Counts in 2023 are expected to increase.

DWI Dispositions in Bernalillo County



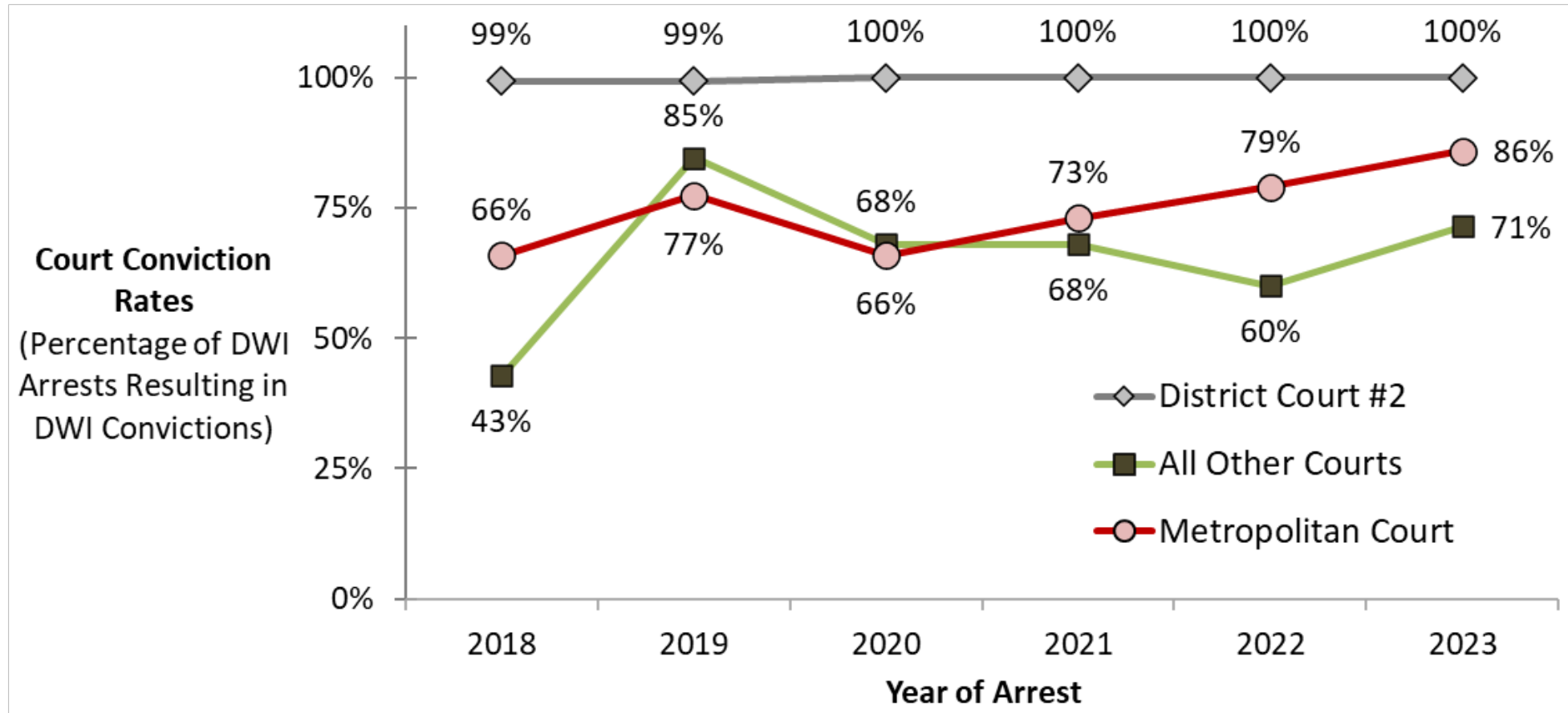
Source: NMTRD MVD, DWI File, December 2024. Data analysis by UNM-GPS. Awaiting disposition means no ruling was reported. Determination of prior convictions include convictions outside Bernalillo County. Data for 2023 are expected to change.

DWI Dispositions in Bernalillo County



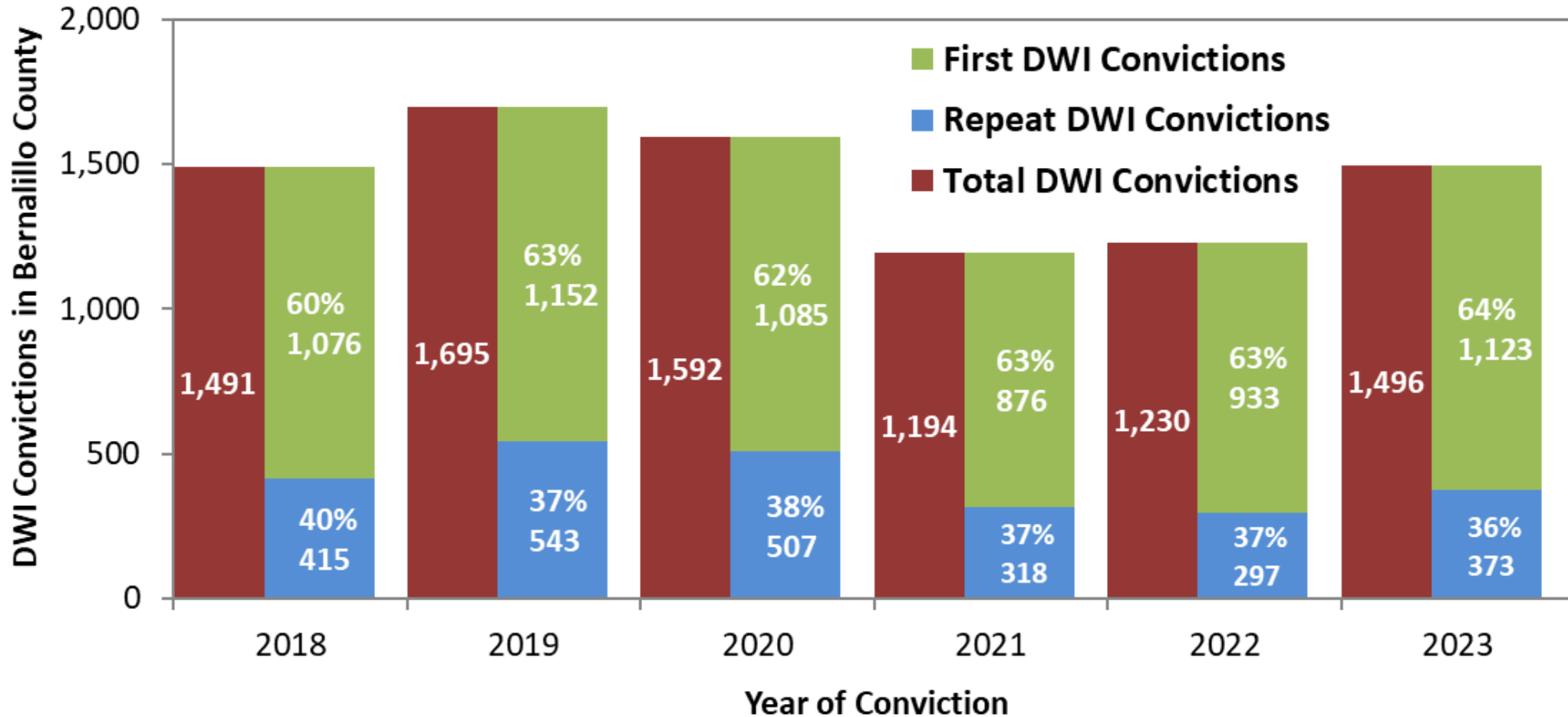
Source: NMTRD MVD, DWI File, December 2024. Data analysis by UNM-GPS. Awaiting disposition means no ruling was reported. Determination of prior convictions include convictions outside Bernalillo County. Data for 2023 are expected to change.

Court DWI Conviction Rates in Bernalillo County



Source: NMTRD MVD, DWI File, December 2024. Data analysis by UNM-GPS.
Data for 2023 are expected to change.

DWI Convictions in Bernalillo County



Source: NMTRD MVD, DWI File, December 2024. Data analysis by UNM-GPS. Year is the year the conviction, not year of arrest. Determination of prior convictions include convictions outside Bernalillo County. Counts in 2023 are expected to increase.

Special thanks to the staff at:
UNM-GPS,
NMDOT Traffic Records Bureau,
NM Taxation and Revenue,
and Law Enforcement Agencies

Statistics available at: gps.unm.edu

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